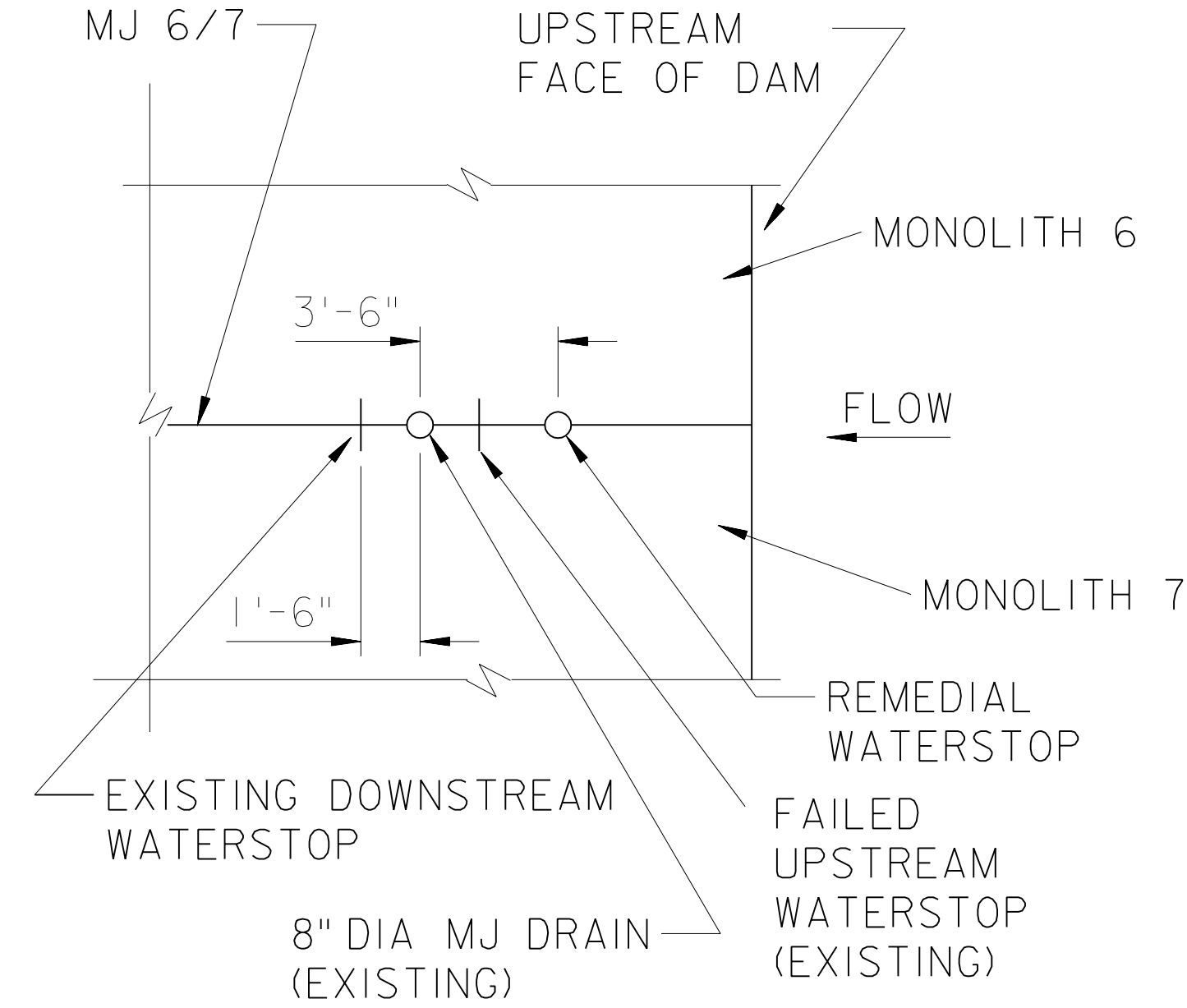
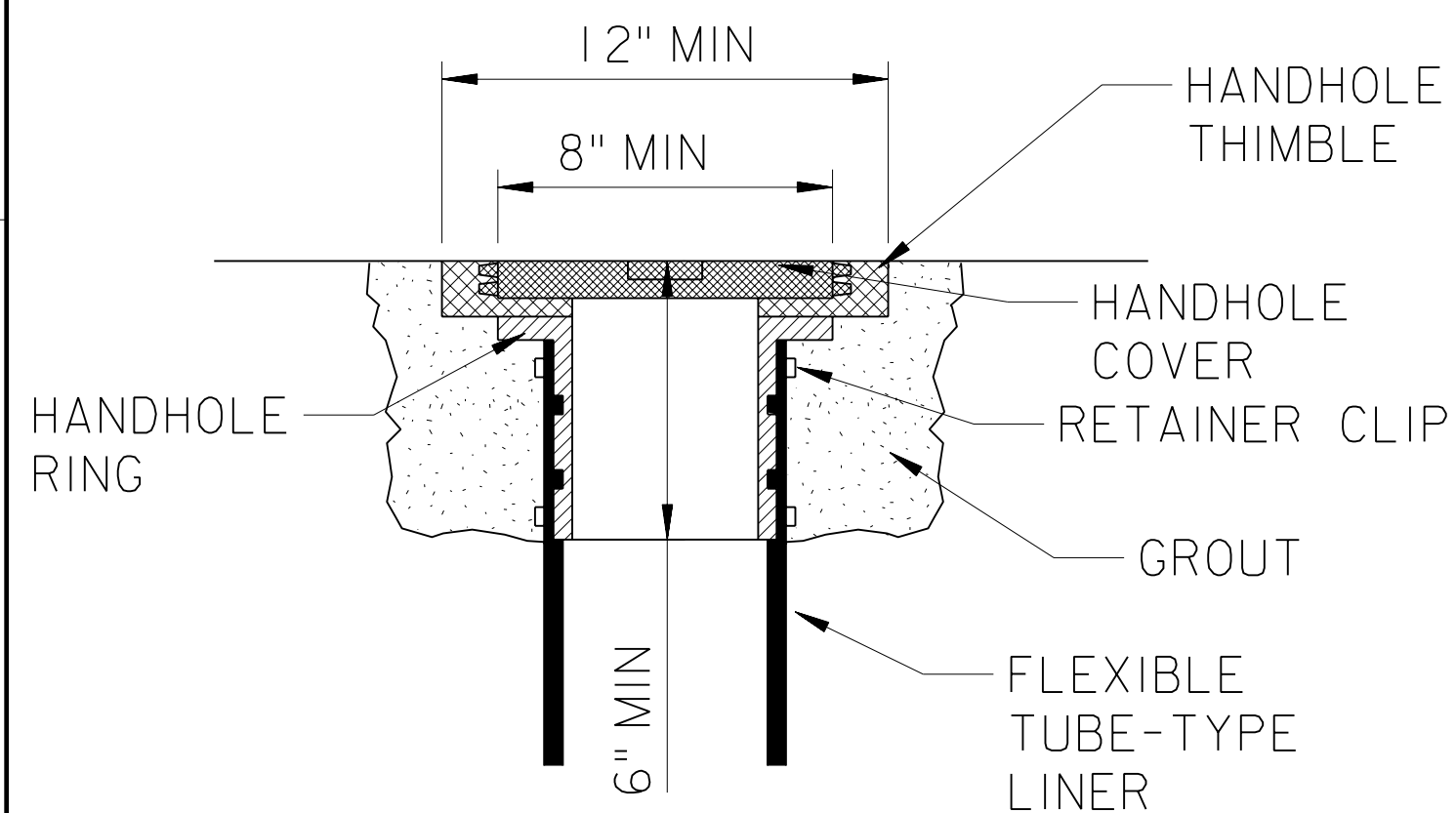


NOTES:

1. O&MM PLATE NO. 346 SHOWS THE LOCATIONS OF THE VERTICAL COPPER WATERSTOPS ADJACENT TO THE MONOLITH JOINT DRAIN. THE REMEDIAL WATERSTOP DRILL HOLE SHALL BE PLACED UPSTREAM OF THE EXISTING VERTICAL COPPER WATERSTOPS ADJACENT TO THE MONOLITH JOINT DRAIN AND DOWNSTREAM OF THE COPPER WATERSTOPS THAT SURROUND THE GALLERY. THE DRILLING AND INSTALLATION OF THE NEW REMEDIAL WATERSTOP SYSTEM SHALL NOT DAMAGE ANY OF THE EXISTING WATERSTOPS.
2. PLAN VIEWS OF THE ROADWAY ARE SHOWN ON O&MM PLATE NO.s 192, 506, 543, AND 544. DIMENSIONS AND DETAILS OF THE ROADWAY AT MONOLITH JOINT 6/7 ARE SHOWN ON PLATE NO. 543.
3. PLANS OF POWERHOUSE MONOLITH 6 AND 7 ARE SHOWN ON PLATE NO.s 327, 328, 330, 331, 333, 334, 336, 337, 338, AND 340. A DETAIL SECTION CUT OF MONOLITH 7 IS SHOWN ON PLATE NO. 346.
4. DETAILS OF THE EXISTING WATERSTOP ARE SHOWN ON PLATE NO.s 326, 327, 328, AND 346 .
5. THE REMEDIAL WATERSTOP SYSTEM SHALL BE CAPABLE OF PREVENTING WATER FROM ENTERING THE MONOLITH JOINT 6/7 WHEN THE POOL ELEVATION IS AT OR BELOW THE MAXIMUM SURCHARGE POOL EL. 751.1. IN ADDITION, THE REMEDIAL WATERSTOP SYSTEM SHALL MEET THE REQUIREMENTS SHOWN ON THIS DRAWING AND THE REQUIREMENTS OF THE TECHNICAL PROVISIONS.
6. THE REMEDIAL WATERSTOP DRILL HOLE SHALL BE CAPPED WITH A MONITORING OBSERVATION HANDHOLE COVER AND RING. THE HANDHOLE COVER AND THIMBLE SHALL BE CAST IRON OR STEEL, WATERTIGHT AND HAVE FLUSH MOUNTED STAINLESS STEEL BOLTS AND NYLON OR RUBBER WASHERS. HANDHOLE SHALL BE A "8" MONITORING WELL ASSEMBLY" MANUFACTURED BY MORRIS INDUSTRIES INC. OR APPROVED EQUAL. HANDHOLE SHALL BE APPROVED BY CONTRACTING OFFICER PRIOR TO PLACEMENT.



EXISTING COPPER WATERSTOPS AND DRAINS SEE O&MM PLATE NO. 346 FOR DETAILS OF THE EXISTING WATERSTOPS AND VERTICAL DRAIN BETWEEN MONOLITHS 6 AND 7

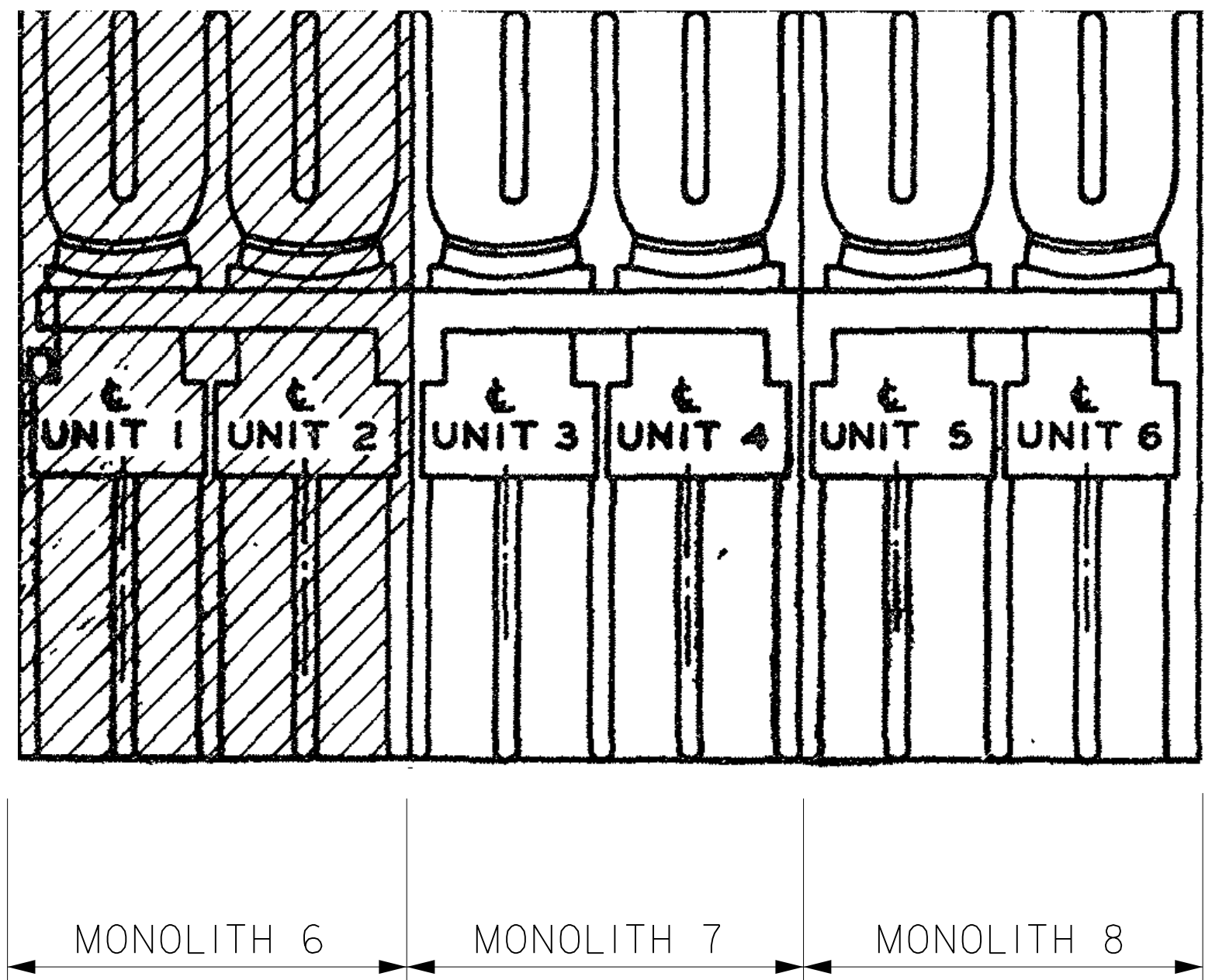
ROADWAY TO BE USED AS STAGING AREA SEE O&MM PLATE NO.s 340 AND 543 FOR ROADWAY LAYOUT AND DIMENSIONS

SEE NOTE 6 AND SECTION B

759.25
TOP OF DAM (CENTER OF ROAD) = EL. 758.6

751.6
MAX. SURCHARGE POOL = EL. 751.1

NORMAL POOL
EL. 706.0



NEW REMEDIAL WATERSTOP SYSTEM. DRILL A 6 INCH DIAMETER HOLE FROM THE TOP OF CURB (EL. 759.25±) TO ELEV. 578.00 FEET WHICH IS BELOW THE MONOLITH 6/7 BASE (EL. 583±). THE HOLE SHALL THEN BE LINED WITH A FLEXIBLE TUBE-TYPE LINER AND THE LINER SHALL BE FILLED WITH WATER OR A FLEXIBLE WATER-BASE FILLER MATERIAL. THE OUTSIDE SURFACE OF THE LINER SHALL REMAIN IN CONTACT WITH THE DRILL HOLE SURFACE AFTER INSTALLATION. THE CONCEPT IS THAT THE FLEXIBLE TUBE-TYPE LINER AND FILLER MATERIAL WILL BE FORCED AGAINST THE DRILL HOLE SURFACE BY HYDROSTATIC HEAD AND THIS WILL STOP LEAKAGE THROUGH THIS JOINT.

Revisions			
Symbol	Descriptions	Date	Approved
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS KANSAS CITY, MISSOURI			
Designed by:	BAS	HARRY S. TRUMAN DAM AND RESERVOIR WARSAW, MISSOURI REMEDIAL WATERSTOP REPAIR AT MONOLITH JOINT 6/7	
Drawn by:	BAS	GENERAL INFORMATION DETAILS AND NOTES	
Checked by:	MLP	Scale: 1/8" = 1'	Sheet number: 8-1
Submitted by:	TDW	Date: AUG. 03	Design File: HSTNEWS1.DGN
	Dwg. No.: X		File No.: X